

FIG. 1 A PRIOR ART

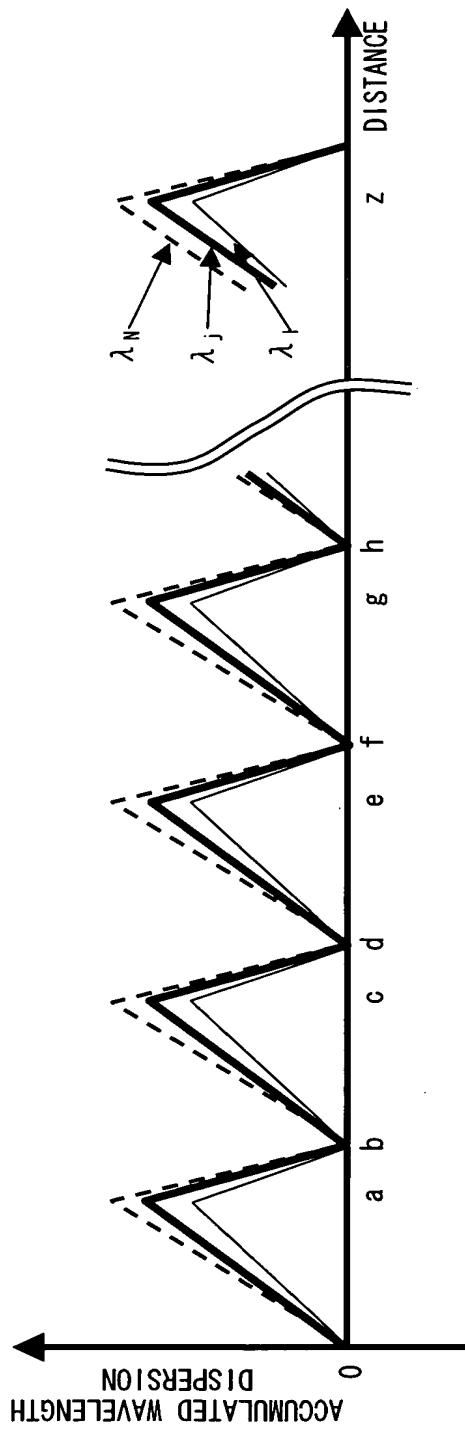


FIG. 1 B PRIOR ART

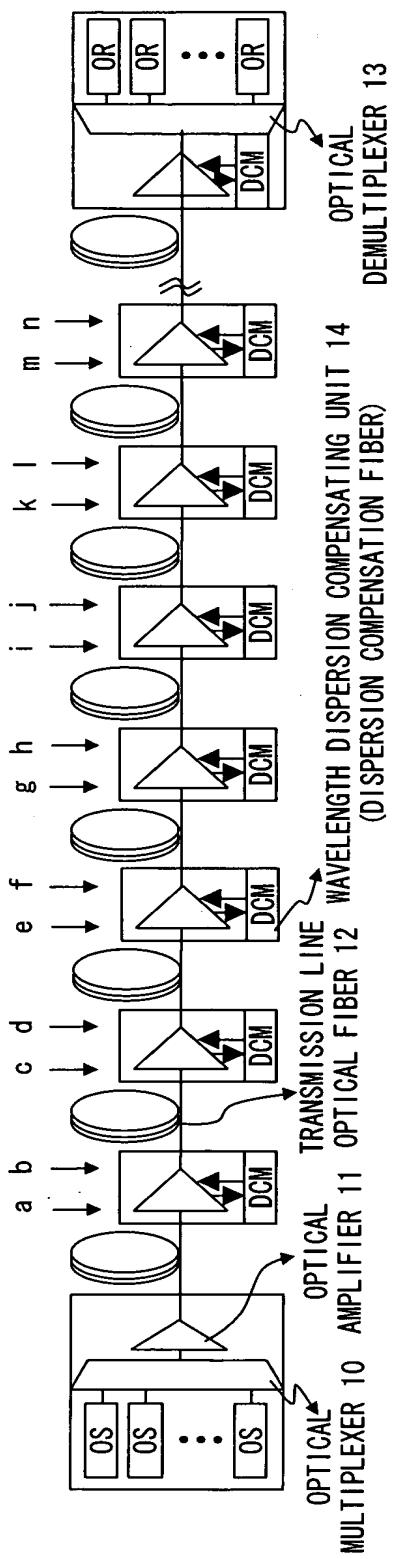


FIG. 2 A PRIOR ART

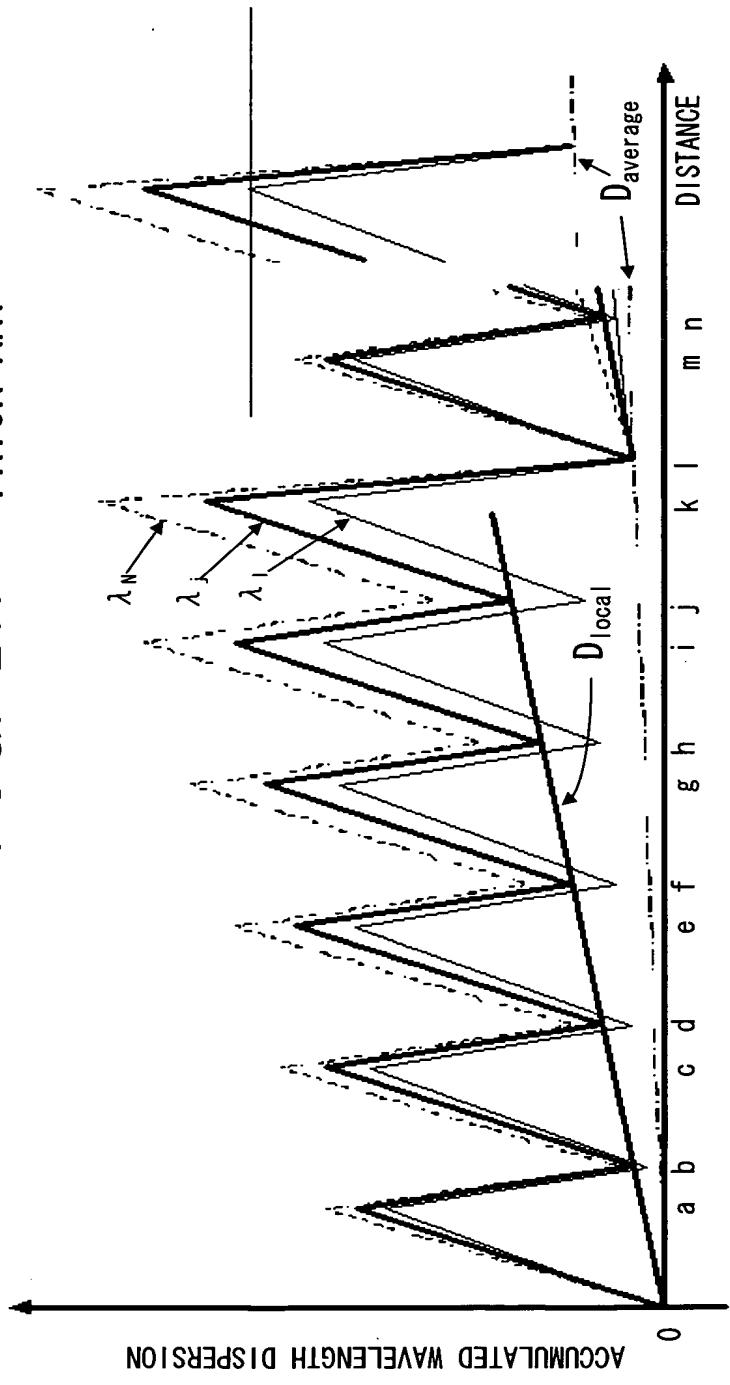
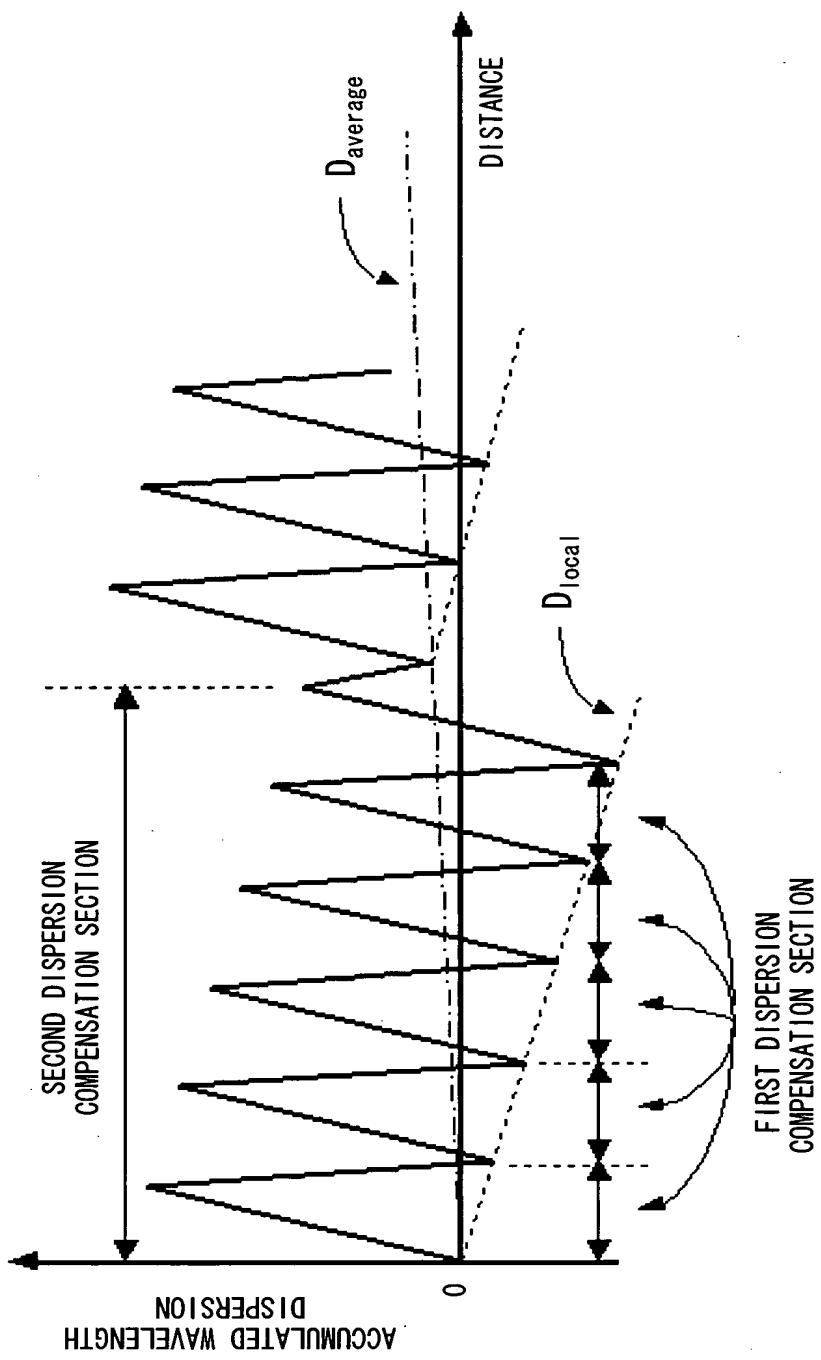
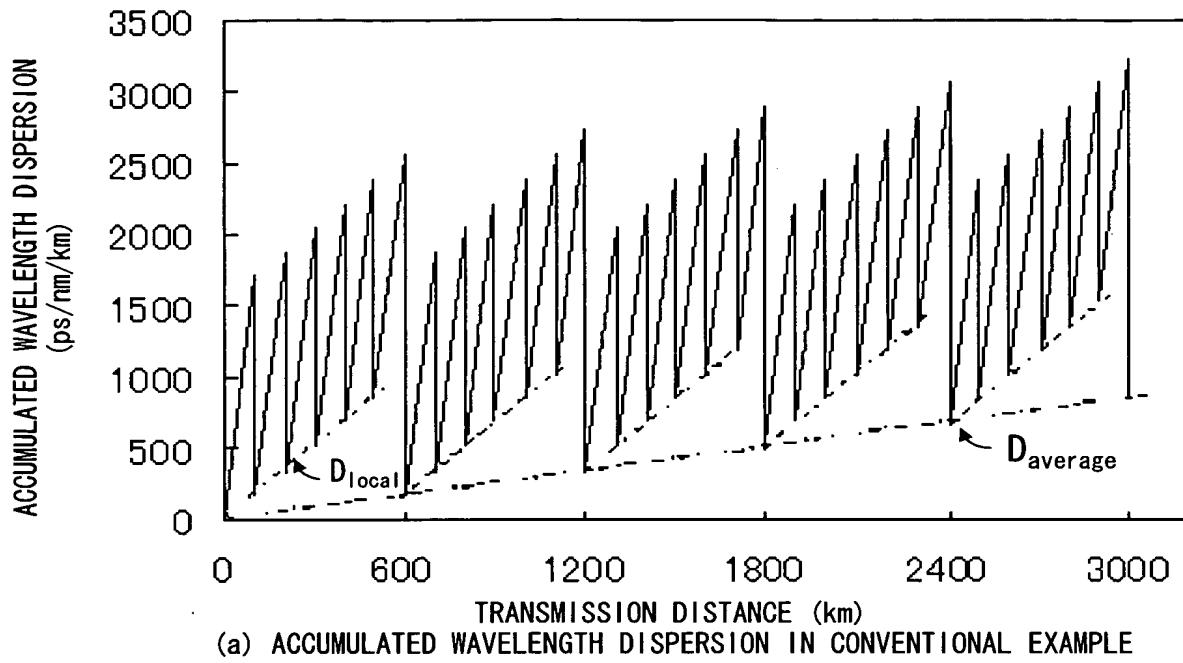


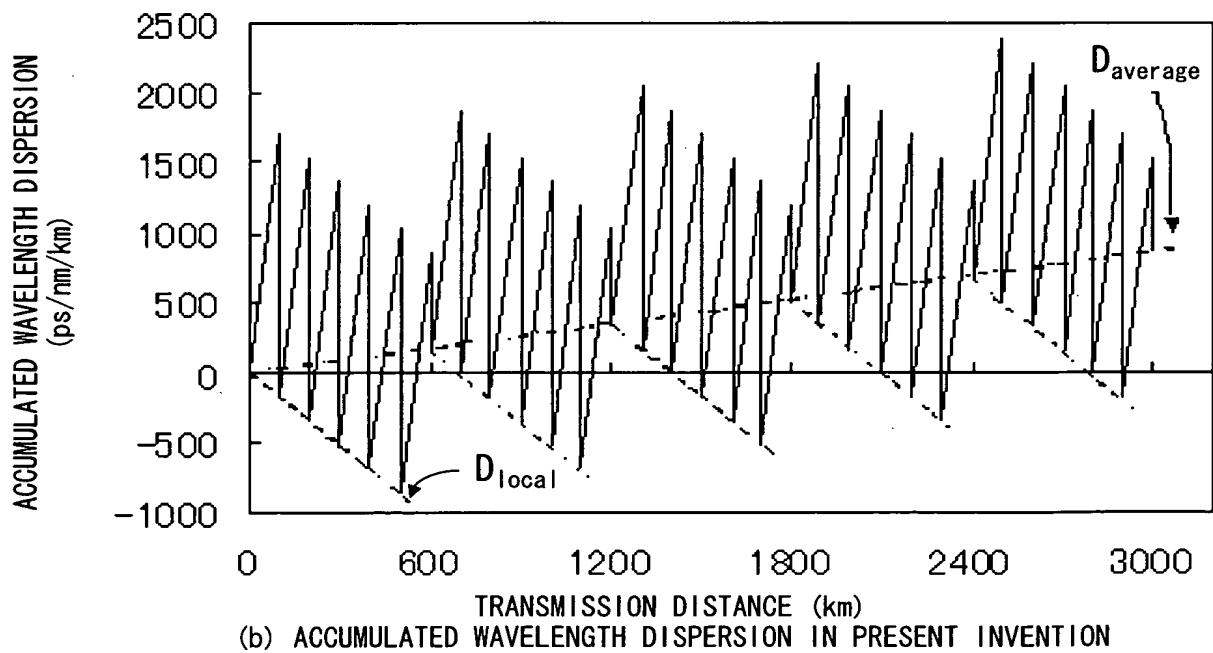
FIG. 2 B PRIOR ART

FIG. 3





F I G. 4 A



F I G. 4 B

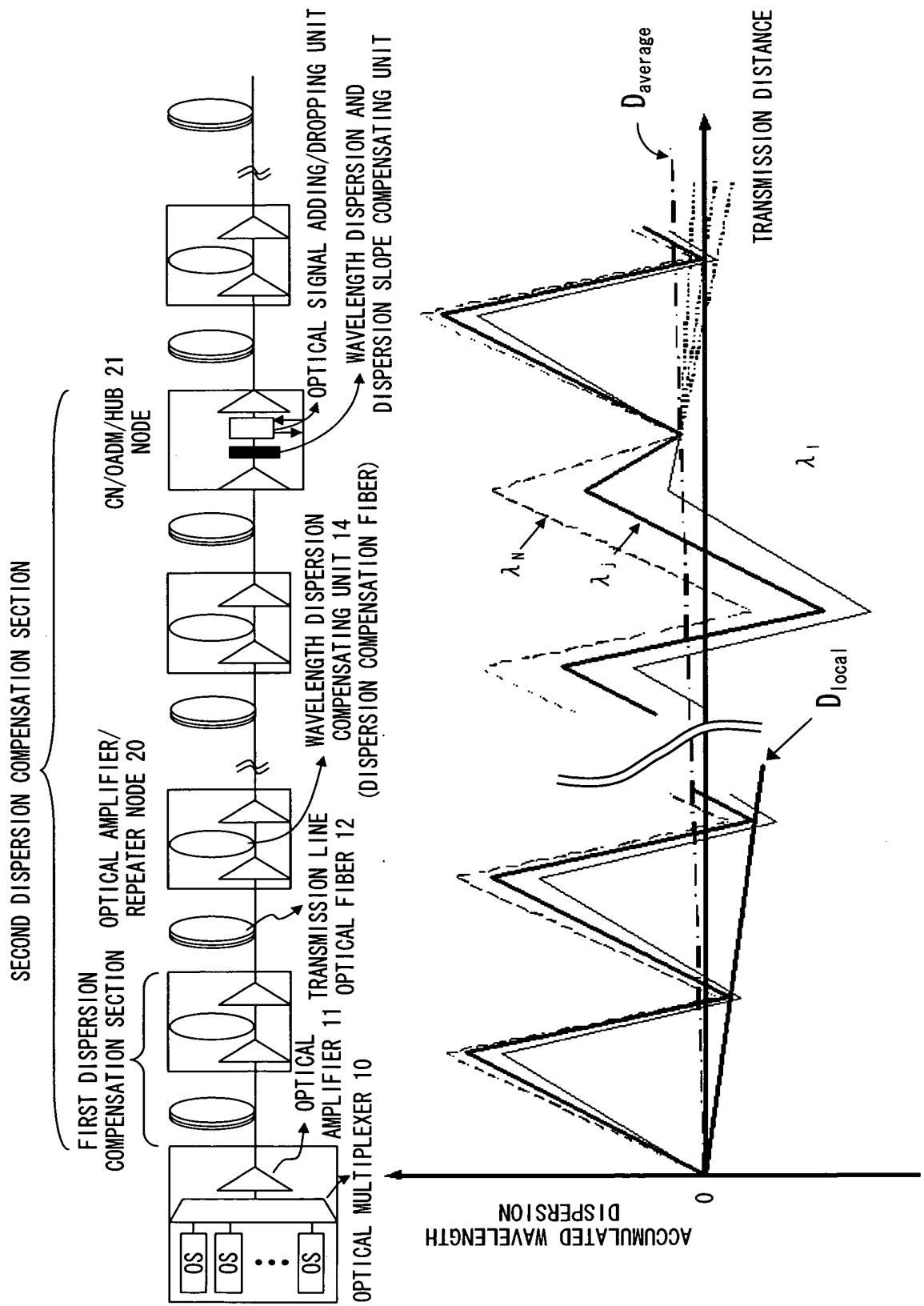
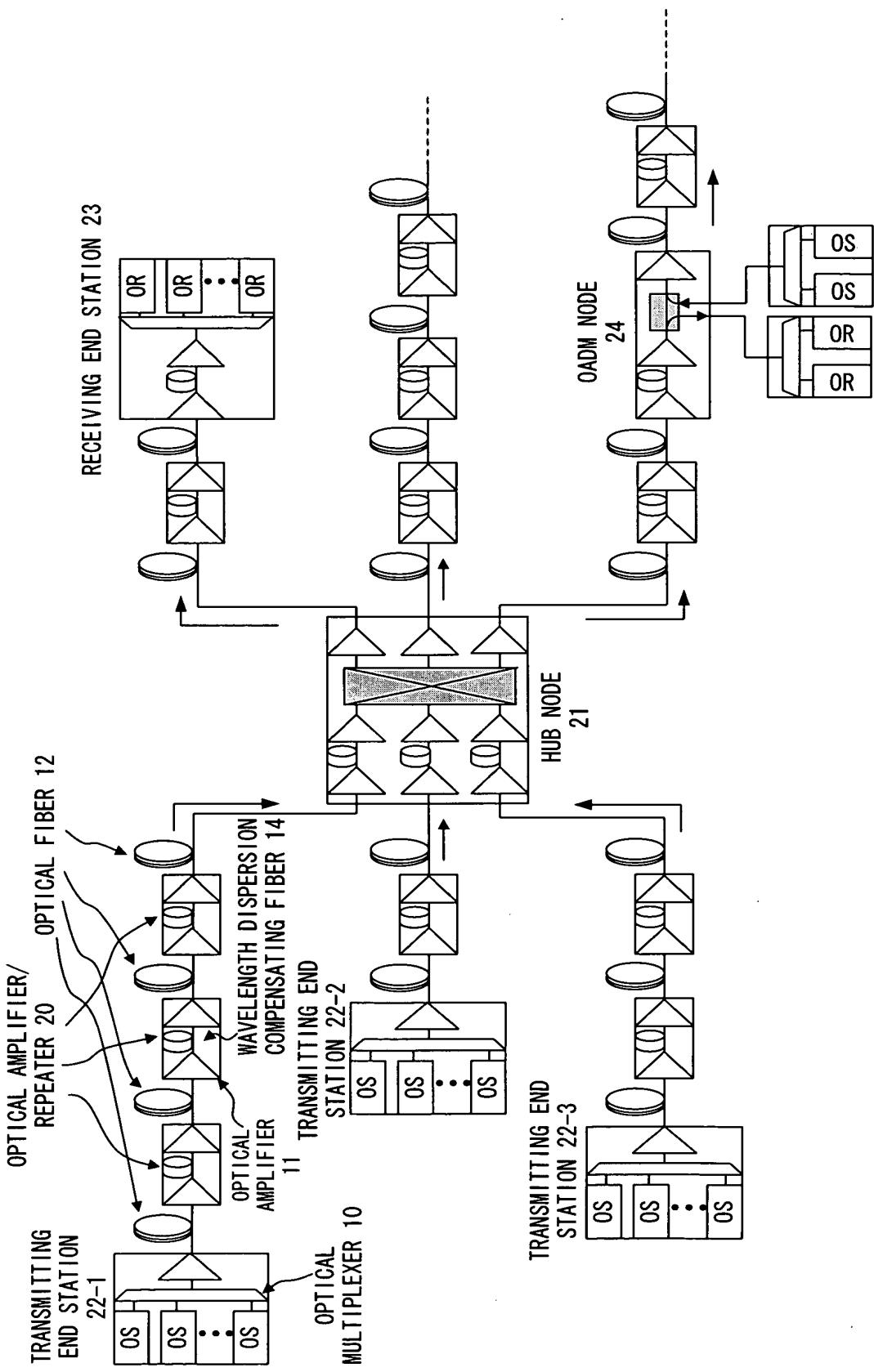
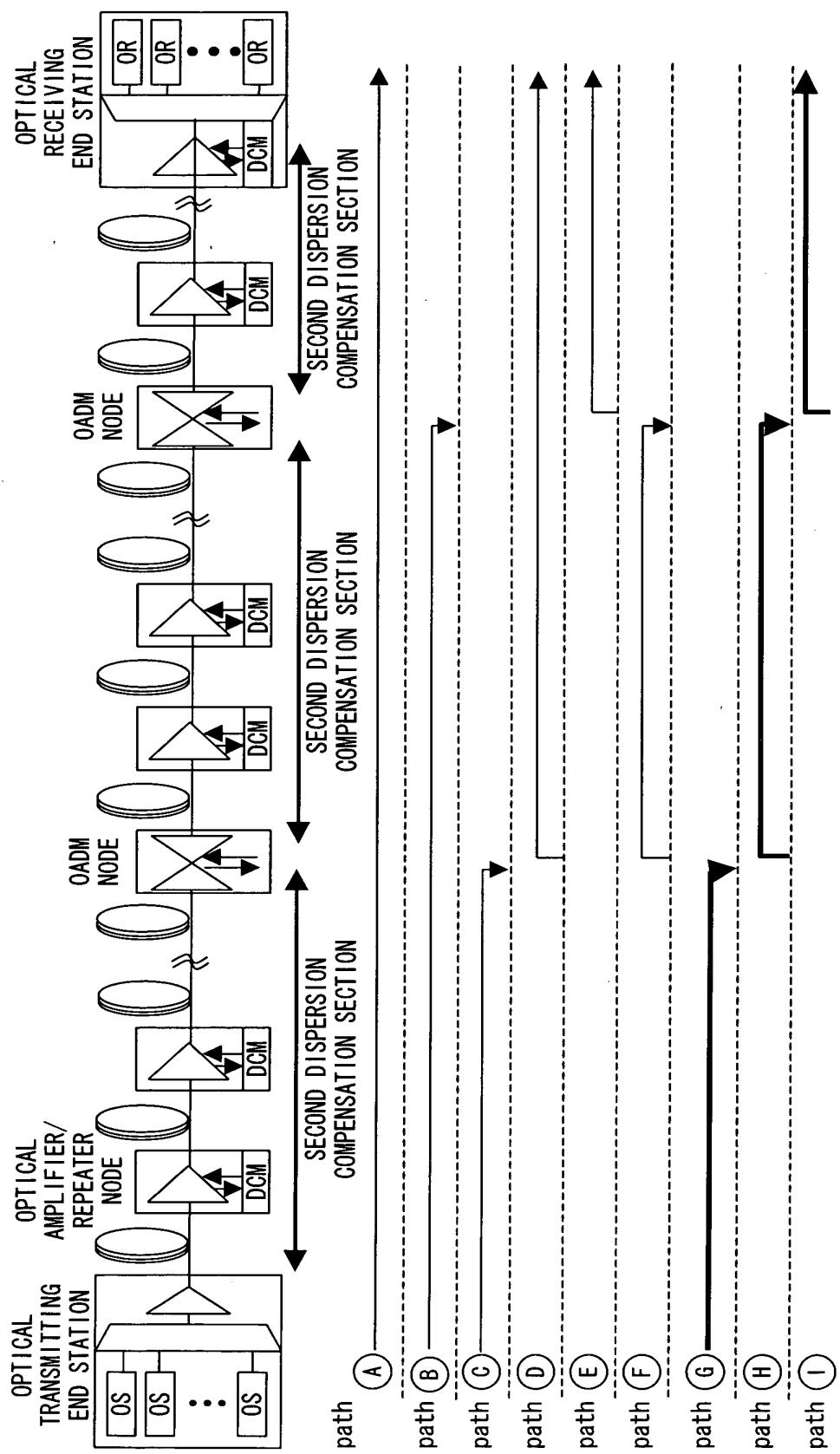


FIG. 5

F I G . 6





path A ~ F : 10Gbps/ch
path G ~ I : 40Gbps/ch

FIG. 7